

Michigan Department of Transportation Consultant Prequalification Application Review Form			COLUMN FOR INTERNAL USE ONLY
Classification:	Design - Bridges		
Consultant:			
Procedural Evaluator:	Michael C. Meddaugh	Email: MeddaughM@michigan.gov	
Technical Evaluator:	Brad Wagner	Email: WagnerB@michigan.gov	
Authority to do Business:	Vendor has provided a legible copy of their Articles of Incorporation, Articles of Organization, Certificate of Assumed Name, or Certificate of Authority to Transact Business in Michigan.		PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
Financial Information:	A copy of the vendor's financial information as required by the Office of Commission Audit has been provided.		PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
Management Structure:	Vendor has provided an explanation of the management structure and ownership with related information including a list of all principals and their titles.		PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
2/3rds Licensure:	A copy of each principal's professional license has been provided. If the applying consultant is contracting to provide professional Architecture, professional Engineering, or professional Surveying services, at least 2/3rds of the of the firm's principal's must be licensed in Michigan in one or more of these professions (Article 20 of the Occupational Code, P.A. 299 of 1980, as amended).		PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
Professional Liability Insurance:	Vendor has provided proof of professional liability insurance with minimum limits of one million dollars (\$1,000,000) per occurrence.		PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
	Supplied Key Staff		
	Primary Résumé:	Supplemental Résumé (Optional):	
Engineer 1:	PASS <input type="checkbox"/> FAIL <input type="checkbox"/>		PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
Engineer 2:	PASS <input type="checkbox"/> FAIL <input type="checkbox"/>		
	Quality Assurance Measures		
QA/QC Plan:	Vendor has provided an overview of how they assure their customers receive quality products and services.		PASS <input type="checkbox"/> FAIL <input type="checkbox"/>

Prequalification Classification:	Design - Bridges		COLUMN FOR INTERNAL USE ONLY										
Definition / Use Statements:	Single and multi-span bridges; span lengths to 300 feet. <ul style="list-style-type: none"> Includes small span straight girder bridges and precast culverts 												
Registrations / Certifications:	Minimum of two (2) Professional Engineers Licensed in Michigan		PASS <input type="checkbox"/> FAIL <input type="checkbox"/>										
Equipment / Software:	Provide a document certifying that you currently own/lease and that your staff is trained to use the software/equipment listed below (Note that each version of software must be identified and must be MDOT's current version): <table border="1"> <tr> <td>MicroStation</td> <td></td> </tr> <tr> <td>SAPW</td> <td></td> </tr> <tr> <td>Critical Path Software</td> <td></td> </tr> </table>		MicroStation		SAPW		Critical Path Software		PASS <input type="checkbox"/> FAIL <input type="checkbox"/>				
MicroStation													
SAPW													
Critical Path Software													
Resources / Manuals:	Provide a document certifying your firm has access to current versions of the following and that you have staff that is knowledgeable in the use of these items: <table border="1"> <tr> <td>MDOT Bridge Design Guides</td> <td>MDOT PPMS Manual</td> </tr> <tr> <td>MDOT Bridge Design Manual</td> <td>AASHTO LRFD Bridge Design Specifications</td> </tr> <tr> <td>MDOT Pay Item Code Book</td> <td>MDOT Standard Specifications for Construction</td> </tr> <tr> <td colspan="2">MDOT Standard Plans</td> </tr> <tr> <td colspan="2">AASHTO Standard Specs for Highway Bridges 17th Edition and interims</td> </tr> </table>		MDOT Bridge Design Guides	MDOT PPMS Manual	MDOT Bridge Design Manual	AASHTO LRFD Bridge Design Specifications	MDOT Pay Item Code Book	MDOT Standard Specifications for Construction	MDOT Standard Plans		AASHTO Standard Specs for Highway Bridges 17th Edition and interims		PASS <input type="checkbox"/> FAIL <input type="checkbox"/>
MDOT Bridge Design Guides	MDOT PPMS Manual												
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AASHTO Standard Specs for Highway Bridges 17th Edition and interims													
Staff Education / Experience:	Key Staff Requirements: Resumes for Key Staff and Support Staff are limited to two (2) pages per person and must include the level of education completed, a listing of recent projects with the name of the client, project description, location, service cost, staff member's role on the project, firm's role on the project, as well as the name and phone number of the client representative. All projects listed must demonstrate current knowledge related to this classification, MDOT and AASHTO standards, as well as proper use of the equipment, software, resources and manuals listed above. Preference will be given to projects completed for the Michigan Department of Transportation. <u>Engineers</u> Vendor has provided a minimum of two (2) résumés detailing the following: <ul style="list-style-type: none"> Michigan PE License number. Level of education completed. A minimum of five (5) years of experience in Structural Design. Knowledge of AASHTO and MDOT standards and procedures. Provided résumés listing projects completed within the past eight (8) years: <ul style="list-style-type: none"> If the projects were completed in Michigan then a minimum of three (3) projects have been listed. Projects with Michigan municipalities where an understanding of MDOT design methodology was demonstrated will be considered. If the projects were completed in other states, a minimum of eight (8) projects have been listed. All projects listed for other states are from other state Departments of Transportation. If the vendor uses a combination of MDOT projects and projects from other agencies, a minimum of eight (8) projects have been listed. Résumés demonstrate experience with new bridge construction and bridge rehabilitation as well as exposure to various structure types. 		PASS <input type="checkbox"/> FAIL <input type="checkbox"/>										

Comments:

Technical Evaluator Signature & Date:

Contract Services Approval – Signature & Date:

Final Determination:

APPROVED ☐

DENIED ☐

General Engineering Company
Design – Bridges Classification
Part B - Supplemental QA/QC Requirements

Supplemental QA/QC Requirements are not applicable for this classification.

General Engineering Company
Design – Bridges Classification
Part C – Equipment Listing

General Engineering Company currently owns/leases the following equipment and the key staff supplied within this application is trained in the use of the software/equipment listed below:

- MicroStation V8i
- SAPW
- Critical Path Software - Microsoft Project 2013

General Engineering Company has access to current versions of the following guides/manuals and the key staff supplied within this application is knowledgeable in the use of these items:

- AASHTO Standard Specs for Highway Bridges 17th Edition and interims
- AASHTO LRFD Bridge Design Specifications
- MDOT Bridge Design Guides MDOT PPMS Manual
- MDOT Bridge Design Manual AASHTO LRFD Bridge Design Specifications
- MDOT Pay Item Code Book MDOT Standard Specifications for Construction
- MDOT PPMS Manual
- MDOT Standard Plans
- MDOT Standard Specifications for Construction



Michael C. Meddaugh - Principal
2/9/2015

General Engineering Company
Design – Bridges Classification
Part D – Staff Education and Experience

Key Staff resumes Included in this submittal:

Primary

Engineer 1 – John Doe

Engineer 2 – Jane Doe

Supplemental (Optional)

Richard Roe

STAFF EDUCATION AND EXPERIENCE REPORT

NOTE: Complete for each key staff member listed on key staff form for each prequalification classification requested. Please note that this form is just a template and not all portions of the form are fillable. You may choose to replace the template with your own resume format.

EMPLOYEE NAME John Doe, PE	TITLE President	ROLE ON THIS SERVICE Engineer 1
COMPANY NAME General Engineering Company		NUMBER YEARS OF EXPERIENCE 25 years with company 0 years with other consultant/vendor

EDUCATION (Degree, year, school (include city and state of school))

Bachelor of Science, 1990, Civil Engineering, Michigan State University, East Lansing, Michigan

LICENSES AND REGISTRATIONS (Type, year, state, number)

Professional Engineer, 1995, Michigan, No. 4508675309
NHI # 130055 – Certification Gained 2001
NHI #130053 – Recertification Gained 2006,2011

GENERAL EXPERIENCE AND QUALIFICATIONS (for prequalification only)

Mr. Doe has over 20 years of experience on both MDOT and Local Agency projects including complete bridge replacements, superstructure replacements, deck replacements and preventative maintenance projects. In addition to his design experience, Mr. Doe has served as the Qualified Team Leader for bridge safety inspections and bridge scoping projects. Mr. Doe is familiar with AASHTO guidelines, AASHTO design specifications, Michigan design manuals and guides.

SPECIFIC EXPERIENCE

YEARS (enter as mo/yr to mo/yr)	PROJECT I.D. (Please provide MDOT contract number if applicable)	ROLE AND DESCRIPTION OF SERVICE
1/2014 to 10/2014	M-43 over the Grand River MDOT JN 19945C CS 33001 Contract # 2014 – 9999 Z1	General Description: Design of a new three span bridge that included pile supported concrete piers and abutments with a four lane concrete box beam and concrete wearing surface. Staff Role: Project Manager Consultant Role: Prime Service Cost: \$42,000 Client: MDOT Client Contact: Horatio Earle – 517-555-1935

5/2013 to 11/2013	I-96 over M-99 MDOT JN 34492C CS 33142 Contract 2013 – 9998 Z2	<p>General Description: Design for the replacement of a two-span bridge with a single-span, spread box beam bridge.</p> <p>Staff Role: Project Manager</p> <p>Consultant Role: Prime</p> <p>Service Cost: \$58,000</p> <p>Client: MDOT</p> <p>Client Contact: Murray Van Wagoner – 517-555-1986</p>
5/2012 to 12/2012	M-100 over the Grand River MDOT JN 41183C CS 23123 Contract 2012 – 9997 Z3	<p>General Description: Design for the replacement of a two span bridge with a single span prestressed concrete Bulb-T beam bridge. The design included a decorative steel arch as part of the context sensitive solution for the project.</p> <p>Staff Role: Project Manager</p> <p>Consultant Role: Prime</p> <p>Service Cost: \$44,000</p> <p>Client: MDOT</p> <p>Client Contact: Horatio Earle – 517-555-1935</p>
5/2009 to 8/2009	I-96 over M-43 MDOT JN 55179C CS 23887 Contract 2011 – 9996 Z4	<p>General Description: Design of the deck replacement and widening of a single span bridge. Project tasks also included bridge scoping and beam end repair design.</p> <p>Staff Role: Design Engineer</p> <p>Consultant Role: Prime</p> <p>Service Cost: \$38,000</p> <p>Client: MDOT</p> <p>Client Contact: Murray Van Wagoner – 517-555-1986</p>

STAFF EDUCATION AND EXPERIENCE REPORT

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EMPLOYEE NAME Jane Doe, PE	TITLE Senior Vice-President	ROLE ON THIS SERVICE Engineer 2
COMPANY NAME General Engineering Company		NUMBER YEARS OF EXPERIENCE 15 years with company 5 years with other consultant/vendor

EDUCATION (Degree, year, school (include city and state of school))

Bachelor of Science, 1995, Civil Engineering, Michigan State University, East Lansing, Michigan

LICENSES AND REGISTRATIONS (Type, year, state, number)

Professional Engineer, 1999, Michigan, No. 4612675310

GENERAL EXPERIENCE AND QUALIFICATIONS (for prequalification only)

Ms. Doe has over 19 years of civil engineering experience involving the management of major transportation projects. Ms. Doe has led large scale, multi-office projects with responsibilities including staff supervision, coordination of reviews, quality control, and document preparation using both the design-bid-build and the design-build methods. Ms. Doe has extensive experience in the design analysis and construction of the following structure types: cable-stayed bridges, arch bridges, prestressed concrete segmental bridges, suspension bridges, steel bridges, and prestressed composite steel bridges. Ms. Doe is familiar with AASHTO guidelines, AASHTO design specifications, Michigan design manuals and guides.

SPECIFIC EXPERIENCE

YEARS (enter as mo/yr to mo/yr)	PROJECT I.D. (Please provide MDOT contract number if applicable)	ROLE AND DESCRIPTION OF SERVICE
2/2014 to 9/2014	142 nd over US-131 MDOT JN 18446C CS 23448 Contract # 2014 – 9999 Z1	General Description: Design of a new two span precast box beam bridge with abutments constructed behind mechanically stabilized earth walls. Staff Role: Project Manager Consultant Role: Prime Service Cost: \$84,000 Client: MDOT Client Contact: Horatio Earle – 517-555-1935

12/2012 to 11/2013	I-75 over M-59 MDOT JN 74492C CS 13142 Contract 2013 – 9998 Z2	<p>General Description: Final Design and contract documents for two precast segmental post tensioned curved box girder bridges with typical 200-foot span lengths that were erected using the balanced cantilever method.</p> <p>Staff Role: Design Engineer</p> <p>Consultant Role: Prime</p> <p>Service Cost: \$540,000</p> <p>Client: MDOT</p> <p>Client Contact: Murray Van Wagoner – 517-555-1986</p>
3/2012 to 8/2012	M-100 over the Grand River MDOT JN 41183C CS 23123 Contract 2012 – 9997 Z3	<p>General Description: Final design, coordination of the project staff and ensuring design consistency for Accelerated Bridge Construction technologies. Bridge replacement utilized Precast Bridge Elements including post tensioned precast deck panels, and precast substructure units.</p> <p>Staff Role: Project Manager</p> <p>Consultant Role: Prime</p> <p>Service Cost: \$120,000</p> <p>Client: MDOT</p> <p>Client Contact: Horatio Earle – 517-555-1935</p>
5/2009 to 8/2009	I-96 over M-99 MDOT JN 55179C CS 23887 Contract 2011 – 9996 Z4	<p>General Description: Design and engineering services for a single span prestressed I-beam bridge with composite reinforced concrete deck and reinforced full height concrete abutments.</p> <p>Staff Role: Design Engineer</p> <p>Consultant Role: Prime</p> <p>Service Cost: \$28,000</p> <p>Client: MDOT</p> <p>Client Contact: Murray Van Wagoner – 517-555-1986</p>

STAFF EDUCATION AND EXPERIENCE REPORT

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EMPLOYEE NAME Richard Roe, PE	TITLE Senior Vice-President	ROLE ON THIS SERVICE Engineer – Supplemental
COMPANY NAME General Engineering Company		NUMBER YEARS OF EXPERIENCE 10 years with company 0 years with other consultant/vendor

EDUCATION (Degree, year, school (include city and state of school))

Bachelor of Science, 2005, Civil Engineering, Michigan State University, East Lansing, Michigan

LICENSES AND REGISTRATIONS (Type, year, state, number)

Professional Engineer, 2009, Michigan, No. 5178675309
NHI #130055 – Certification Gained 2009
NHI #130053 – Recertification Gained 2014

GENERAL EXPERIENCE AND QUALIFICATIONS (for prequalification only)

Mr. Roe has over 10 years of Structural/Civil Engineering. Currently, Mr. Roe serves as a manager in General Engineering Company's structure group and concentrates on bridge engineering. Mr. Roe has both overseen and prepared the design and analysis of existing and proposed superstructures and substructures, construction quantities and engineering cost and estimates. Mr. Roe has also completed numerous bridge scoping and bridge inspection projects for MDOT. Mr. Roe is familiar with AASHTO guidelines, AASHTO design specifications, Michigan design manuals and guides.

SPECIFIC EXPERIENCE

YEARS (enter as mo/yr to mo/yr)	PROJECT I.D. (Please provide MDOT contract number if applicable)	ROLE AND DESCRIPTION OF SERVICE
4/2014 to 9/2014	I-69 over -475 MDOT JN 22215C CS 33334 Contract # 2014 – 9999 Z1	General Description: Design of a two span precast box beam bridge with abutments constructed behind mechanically stabilized earth walls. Staff Role: Lead Project Engineer Consultant Role: Prime Service Cost: \$947,000 Client: MDOT Client Contact: Horatio Earl – 517-555-1935

1/2013 to 11/2013	<p>I-69 over I-75</p> <p>MDOT JN 77754C CS 41234</p> <p>Contract 2013 – 1234 Z2</p>	<p>General Description: Rehabilitation of two multiple span bridges over I-75. Work included deck replacements, beam end repairs, and pin and hanger replacements. Responsibilities included overusing of all design and staff coordination.</p> <p>Staff Role: Project Engineer</p> <p>Consultant Role: Prime</p> <p>Service Cost: \$950,000</p> <p>Client: MDOT</p> <p>Client Contact: Murray Van Wagoner – 517-555-1986</p>
5/2012 to 8/2012	<p>US 127 over Looking Glass</p> <p>MDOT JN 64135C CS 88842</p> <p>Contract 2012 – 5466 Z2</p>	<p>General Description: Replacement of an existing single span steel bridge over Mill Creek. The new structure consisted of a single span precast concrete I-Beam. The revised design increased the vertical curve approximately nine feet.</p> <p>Staff Role: Project Manager</p> <p>Consultant Role: Prime</p> <p>Service Cost: \$44,000</p> <p>Client: MDOT</p> <p>Client Contact: Horatio Earl – 517-555-1935</p>
3/2009 to 8/2009	<p>M-99 over Grand River</p> <p>MDOT JN 78434C CS 45916</p> <p>Contract 2009 – 1144 Z1</p>	<p>General Description: Replacement of an existing two bay box culvert. New Design utilized a three signed prestressed concrete box beam with decorative aesthetics to blend with the historic downtown areas and adjacent neighborhood.</p> <p>Staff Role: Project Manager</p> <p>Consultant Role: Prime</p> <p>Service Cost: \$58,000</p> <p>Client: MDOT</p> <p>Client Contact: Murray Van Wagoner – 517-555-1986</p>

General Engineering Company
Design – Bridges Classification
Part E - Other Requirements

Other Requirements are not applicable for this classification.